

# Rain Reasons

## Project Learning Tree Activity #29

### Program of Studies

#### Science:

- S-4-LS-1 (Organisms have basic needs (e.g., air, water, nutrients, light) and can only survive when these needs are met.)
- S-4-SI-3 (Use evidence (e.g., descriptions) from simple scientific investigations and scientific knowledge to develop reasonable explanations.)
- S-4-SI-4 (Design and conduct different kinds of simple scientific investigations.)
- S-4-SI-5 (Communicate (e.g., graph, write) designs, procedures, and results of scientific investigations.)
- S-4-SI-6 (Review and ask questions about scientific investigations and explanations of other students.)
- S-5-SI-3 (Use evidence (e.g., classifications), logic, and scientific knowledge to develop scientific explanations.)
- S-5-SI-4 (Design and conduct different kinds of scientific investigations to answer different kinds of questions.)
- S-5-SI-5 (Communicate (e.g., draw, speak) designs, procedures, and results of scientific investigations.)
- S-5-SI-6 (Review and analyze scientific investigations and explanations of other students.)
- S-7-SI-3 (Use evidence (e.g., measurements), logic, and scientific knowledge to develop scientific explanations.)
- S-7-SI-4 (Design and conduct different kinds of scientific investigations to answer different kinds of questions.)
- S-7-SI-5 (Communicate (e.g., write) designs, procedures, and results of scientific investigations.)
- S-7-SI-6 (Review and analyze scientific investigations and explanations of other students.)
- S-8-SI-3 (Use evidence (e.g., computer models), logic, and scientific knowledge to develop scientific explanations.)
- S-8-SI-4 (Design and conduct different kinds of scientific investigations to answer different kinds of questions.)
- S-8-SI-5 (Communicate (e.g., write, graph) designs, procedures, and results of scientific investigations.)
- S-8-SI-6 (Review and analyze scientific investigations and explanations of other students.)

#### English Language Arts:

- ELA-4-R-1 (Understand and respond to a variety of reading materials, making connections to students' lives, to real world issues, and/or to current events.)
- ELA-5-R-1 (Identify meaning from a variety of reading materials , making connections to students' lives, to real world issues, and/or to current events.)

- ELA-6-R-1 (Identify meaning of a variety of reading materials, making connections to students' lives, to real world issues, and/or to current events.)
- ELA-6-R-4 (Interpret text features (e.g., layout, boldface print, bullets, diagrams) of transactive reading materials to understand passages and complete authentic tasks.)

## **Core Content**

### **Science:**

- SC-E-3.1.2 (Organisms have basic needs. For example, animals need air, water, and food; plants need air, water, nutrients, and light. Organisms can survive only in environments in which their needs can be met.)
- SC-E-SI-3 (Use evidence (e.g., observations, data) from simple scientific investigations and scientific knowledge to develop reasonable explanations.)
- SC-E-SI-4 (Design and conduct simple scientific investigations.)
- SC-E-SI-5 (Communicate (e.g., draw, graph, write) designs, procedures, observations, and results of scientific investigations.)
- SC-E-SI-6 (Review and ask questions about scientific investigations and explanations of other students.)
- SC-M-SI-3 (Use evidence (e.g., computer models), logic, and scientific knowledge to develop scientific explanations.)
- SC-M-SI-4 (Design and conduct scientific investigations.)
- SC-M-SI-5 (Communicate (e.g., write, graph) designs, procedures, observations, and results of scientific investigations.)
- SC-M-SI-6 (Review and analyze scientific investigations and explanations of other students.)
- SC-H-SI-3 (Use evidence, logic, and scientific knowledge to develop and revise scientific explanations and models.)
- SC-H-SI-4 (Design and conduct different kinds of scientific investigations.)
- SC-H-SI-5 (Communicate and defend the designs, procedures, observations, and results of scientific investigations.)
- SC-H-SI-6 (Review and analyze scientific investigations and explanations of other investigators, including peers.)

### **Reading:**

- RD-E-2.0.6 (Use text features (e.g., pictures, lists, tables, charts, graphs, tables of contents, indexes, glossaries, headings, captions) to understand a passage.)
- RD-E-2.0.9 (Make predictions and draw conclusions based on what is read.)
- RD-M-1.0.11 (Explain the meaning of a passage taken from texts appropriate for middle-level students.)

### **Social Studies:**

- SS-E-4.1.1 (Simple physical, political, and thematic maps, globes, charts, photographs, aerial photography, and graphs can be used to find and explain locations and display information.)

- SS-M-4.1.1 (Maps (e.g., map projections - Mercator and Robinson), globes, photographs, models, and satellite images are representations of Earth with different characteristics and uses.)